

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076775.D
 Acq On : 22 Feb 2023 16:53
 Operator : JC\MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 00:46:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	237946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	426117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	371555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	140919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	181714	55.305	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.600%			
35) Dibromofluoromethane	8.172	113	137381	49.231	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.460%			
50) Toluene-d8	10.572	98	514312	49.351	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.848	95	148076	42.900	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.143	85	1781	0.705	ug/l	99
3) Chloromethane	2.372	50	2958	0.897	ug/l #	78
4) Vinyl Chloride	2.531	62	2809	0.866	ug/l #	86
5) Bromomethane	2.966	94	3116	1.585	ug/l	94
6) Chloroethane	3.131	64	2326	1.134	ug/l #	84
7) Trichlorofluoromethane	3.501	101	3720m	0.843	ug/l	
8) Diethyl Ether	3.978	74	1440	0.847	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.390	101	2106m	0.812	ug/l	
10) Methyl Iodide	4.601	142	2136m	0.667	ug/l	
11) Tert butyl alcohol	5.548	59	2240m	5.165	ug/l	
12) 1,1-Dichloroethene	4.348	96	1671	0.680	ug/l #	47
13) Acrolein	4.196	56	2739	4.207	ug/l #	60
14) Allyl chloride	5.025	41	3656m	0.859	ug/l	
15) Acrylonitrile	5.725	53	6938	4.508	ug/l #	67
16) Acetone	4.443	43	5622	3.831	ug/l	97
17) Carbon Disulfide	4.713	76	5134	0.792	ug/l #	73
18) Methyl Acetate	5.060	43	4124m	0.861	ug/l	
19) Methyl tert-butyl Ether	5.813	73	6692	0.808	ug/l	97
20) Methylene Chloride	5.301	84	4149m	1.349	ug/l	
21) trans-1,2-Dichloroethene	5.801	96	2070	0.749	ug/l #	83
22) Diisopropyl ether	6.678	45	7041m	0.705	ug/l	
23) Vinyl Acetate	6.613	43	22521	3.813	ug/l	98
24) 1,1-Dichloroethane	6.572	63	4455	0.814	ug/l #	78
25) 2-Butanone	7.501	43	9780	4.517	ug/l #	73
26) 2,2-Dichloropropane	7.495	77	3197	0.810	ug/l #	68
27) cis-1,2-Dichloroethene	7.501	96	2734	0.834	ug/l	94
28) Bromochloromethane	7.813	49	2586	0.993	ug/l #	87
29) Tetrahydrofuran	7.860	42	6513	4.605	ug/l	95
30) Chloroform	7.972	83	4719	0.863	ug/l	99
31) Cyclohexane	8.236	56	10269	1.992	ug/l #	56
32) 1,1,1-Trichloroethane	8.172	97	3585	0.780	ug/l #	41
36) 1,1-Dichloropropene	8.378	75	3329	0.826	ug/l	91
37) Ethyl Acetate	7.572	43	3994	0.942	ug/l #	79
38) Carbon Tetrachloride	8.366	117	3505	0.862	ug/l #	72
39) Methylcyclohexane	9.613	83	2710	0.591	ug/l #	75
40) Benzene	8.607	78	10201	0.824	ug/l #	84

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41) Methacrylonitrile	7.789	41	2392	0.973	ug/l #	71
42) 1,2-Dichloroethane	8.672	62	4151	0.961	ug/l	97
43) Isopropyl Acetate	8.695	43	5839	0.846	ug/l #	87
44) Trichloroethene	9.354	130	2721	0.930	ug/l	84
45) 1,2-Dichloropropane	9.613	63	3334m	1.017	ug/l	
46) Dibromomethane	9.713	93	2293	1.094	ug/l #	67
47) Bromodichloromethane	9.889	83	3368	0.802	ug/l #	85
48) Methyl methacrylate	9.689	41	2794m	0.853	ug/l	
49) 1,4-Dioxane	9.701	88	953	16.819	ug/l #	82
51) 4-Methyl-2-Pentanone	10.448	43	15500	3.529	ug/l	100
52) Toluene	10.636	92	6185	0.827	ug/l	95
53) t-1,3-Dichloropropene	10.836	75	3015	0.744	ug/l #	49
54) cis-1,3-Dichloropropene	10.319	75	3580	0.765	ug/l #	84
55) 1,1,2-Trichloroethane	11.024	97	2650	0.872	ug/l #	81
56) Ethyl methacrylate	10.883	69	3363	0.786	ug/l #	83
57) 1,3-Dichloropropane	11.160	76	4313	0.826	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.166	63	5124	2.615	ug/l #	89
59) 2-Hexanone	11.195	43	11300	3.568	ug/l	96
60) Dibromochloromethane	11.360	129	2671	0.834	ug/l	87
61) 1,2-Dibromoethane	11.466	107	1967	0.646	ug/l	84
64) Tetrachloroethene	11.101	164	1870	0.799	ug/l #	49
65) Chlorobenzene	11.889	112	6870	0.872	ug/l #	83
66) 1,1,1,2-Tetrachloroethane	11.960	131	2002	0.700	ug/l #	59
67) Ethyl Benzene	11.966	91	9730	0.725	ug/l	90
68) m/p-Xylenes	12.077	106	7121	1.377	ug/l	100
69) o-Xylene	12.395	106	3793	0.752	ug/l	74
70) Styrene	12.419	104	5409	0.663	ug/l	93
71) Bromoform	12.583	173	1265	0.603	ug/l #	80
73) Isopropylbenzene	12.701	105	8643	0.837	ug/l	100
74) N-amyl acetate	12.489	43	3322	0.714	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.942	83	4541	1.215	ug/l	92
76) 1,2,3-Trichloropropane	12.995	75	2470m	0.867	ug/l	
77) Bromobenzene	12.983	156	2477	0.961	ug/l	94
78) n-propylbenzene	13.036	91	9451	0.779	ug/l	95
79) 2-Chlorotoluene	13.130	91	7333	0.987	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	5952	0.697	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.742	75	412m	0.421	ug/l	
82) 4-Chlorotoluene	13.130	91	7333	0.987	ug/l	99
83) tert-Butylbenzene	13.436	119	6246	0.809	ug/l	96
84) 1,2,4-Trimethylbenzene	13.483	105	5819	0.684	ug/l	91
85) sec-Butylbenzene	13.613	105	7165	0.665	ug/l	98
86) p-Isopropyltoluene	13.730	119	5342	0.621	ug/l	98
87) 1,3-Dichlorobenzene	13.742	146	3612	0.741	ug/l	88
88) 1,4-Dichlorobenzene	13.818	146	4665m	0.962	ug/l	
89) n-Butylbenzene	14.060	91	4868	0.650	ug/l	99
90) Hexachloroethane	14.330	117	1788	0.992	ug/l	91
91) 1,2-Dichlorobenzene	14.107	146	3804	0.762	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.712	75	808	1.115	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.401	180	1751	0.703	ug/l	88
94) Hexachlorobutadiene	15.507	225	972	0.796	ug/l	74
95) Naphthalene	15.642	128	4889	0.647	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.848	180	1599	0.663	ug/l #	82

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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